

DMN-SX20C



DMN-SX100


DMN-SX200

DMN-SX600



DMN-SX400

DMN-SX1100

Diamond Meters can measure forward and reflected power, SWR, and PEP on certain frequencies. Illuminated meter faces ensure excellent readability.

SX20C 30/300 Watt Power Meter
- 3.5-30 MHz, 50-54 MHz, 130-150 MHz frequency range
- SO-239 Connectors

DMN-SX20C **$89.95**

SX40C 30/300 Watt Power Meter
- 144-470 MHz frequency range
- SO-239 Connectors

DMN-SX40C **$79.95**

SX100 30/300/3,000 Watt Power Meter
- 1.6-60 MHz frequency range
- SO-239 Connectors

DMN-SX100 .... **$124.95**

SX200 5/20/200 Watt Power Meter
- 1.8-200 MHz frequency range
- SO-239 Connectors

DMN-SX200 .... **$89.95**

SX240C 30/300/3,000 Watt Power Meter
- 1.8-54 MHz, 140-470 MHz frequency range
- SO-239 Connectors

DMN-SX240C **$299.95**

SX400 5/20/200 Watt Power Meter
- 140-525 MHz frequency range
- SO-239 Connectors

DMN-SX400 .... **$109.95**

SX600 5/20/200 Watt Power Meter
- 1.8-160 MHz, 140-525 MHz frequency range
- SO-239 Connectors

DMN-SX600 .... **$179.95**

SX-1100 5/20/200 Watt Power Meter
- 1.8-160 MHz, 430-450 MHz, 800-930 MHz, 1230-1300 MHz frequency range
- SO-239 and N Female Connectors

DMN-SX1100 .... **$199.95**

Get Your Gear Faster. If you get your order in by 10 pm ET and the parts are in stock, DX Engineering will ship it immediately. We carry thousands of items, that means you'll get your order as quickly as possible. If you don't like to wait, count on us to get your order out quickly.




Keep an Eye on Your Transmitter with Accurate and Precise Meters

Wattmeters
- Display SWR, forward and reflected power
- 1.8-60 MHz frequency range

PAS-PM2000A Wattmeter, 2,000 Watts **$179.95**
PAS-PM2000AM Mobile Wattmeter, 2,000 Watts **$179.95**

Palstar

PAS-DL5K
Fan-Cooled Dummy Load and Wattmeter, 5,000 Watts
- SWR under 1.2:1 to 54 MHz
- Built-in wattmeter, thermostatically-controlled fan

PAS-DL5K **$459.95**

PAS-DL2K
Fan-Cooled Dummy Load and Wattmeter, 2,000 Watts
- 0-30 MHz frequency range
- Built-in wattmeter, thermostatically-controlled fan

PAS-DL2K **$379.95**

PAS-DL1500
Air-Cooled Dummy Load, 1,500 Watts
- 0-500 MHz frequency range

PAS-DL1500 .... **$189.95**

DIAMOND ANTENNA

Diamond Compact Dummy Loads
DMN-DL30A Compact Dummy Load, 15 W Avg./100 W Peak, DC-500 MHz, PL-259 .... **$39.95**
DMN-DL30N Compact Dummy Load, 15 W Avg./100 W Peak, DC-500 MHz, Type N Connector **$54.95**

VECTRONICS ...World Class Quality

Dummy Loads
- Air-Cooled
- 1,500 Watts, 0-650 MHz
- SWR under 1.3:1 at DC-300 MHz, under 1.5:1 at 300-500 MHz, under 2.0:1 at 650-1000 MHz

VEC-DL650M **$79.95**
- Fan-Cooled
- 2,500 Watts, 0-150 MHz
- SWR under 1.31 to 30 MHz

VEC-DL-2500 .... **$199.95**



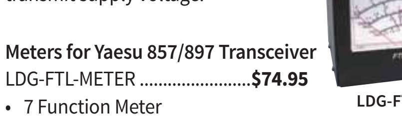
ADL-1500
Oil-Filled Dummy Load, 1,500 Watts
- SWR under 1.2:1 to 30 MHz and low SWR to 400 MHz
- 7 1/2" H x 6 5/8" D

AME-ADL-1500 .... **$69.95**

CMX-2300
Comet CMX-2300 Power Meters offer dual readings in one unit. The meters display FWD, REF and SWR, and can operate simultaneously. The left meter covers 1.8 to 200 MHz with a 3,000 watt power max. The right meter covers 140 to 525 MHz with a 200 watt power max.

CMA-CMX-2300 .... **$224.95**


LDG gives you large, easy-to-read analog meters that are virtually plug-and-play. Depending on the model, these backlit meters can display critical measurements like signal strength, SWR, modulation, ALC action, power output and transmit supply voltage.



LDG-FTL-METER

Meters for Yaesu 857/897 Transceiver
LDG-FTL-METER **$74.95**
- 7 Function Meter
- 4.5" Display


LDG-FT-METER

LDG-FT-METER **$44.95**
- 6 Function Meter
- 2.5" Display



LDG-M-7600

Meter for Icom IC-7600 Transceiver
LDG-M-7600 .... **$79.95**
- 7 Function Meter
- 4.5" Display


LDG-M-1000

Meters for LDG Auto Tuners
LDG-M-1000 .... **$119.95**
- Peak hold and average power modes
- 0-100 watt and 0-600 watt power ranges
- For AT-1000ProII tuner



LDG-M-600

LDG-M-600 .... **$124.95**
- Peak hold and average power modes
- 0-100 watt and 0-1,000 watt power ranges
- For AT-600ProII tuner

New!


MFJ-267


MFJ-264

MFJ-267
Air-Cooled Dummy Load and Wattmeter, 1,500 Watts
- SWR under 1.3:1 at 30 MHz
- Built-in wattmeter can be used independently

MFJ-267 .... **$149.95**


MFJ-264N

MFJ-264
Air-Cooled Dummy Load, 1,500 Watts (SO-239)
- SWR under 1.1:1 at 30 MHz and 1.3:1 at 30-650 MHz

MFJ-264 .... **$74.95**

MFJ-264N
Air-Cooled Dummy Load, 1,500 Watts (N-Connector)
- SWR under 1.1:1 at 30 MHz and 1.3:1 at 30-650 MHz

MFJ-264N **$84.95**


MFJ-260C

MFJ-260C
Air-Cooled Dummy Load, 300 Watts
- SWR under 1.1:1 to 30 MHz and 1.5:1 at 30-650 MHz

MFJ-260C **$39.95**





MFJ

Digital SWR Wattmeter

- Bar graph display combines digital accuracy with analog readability
- 25/250/1,500 watt min./mid./max. power ranges
- 1.8-54 MHz frequency range
- Power, SWR and frequency displayed simultaneously
- Adjustable SWR alarm

MFJ-826B Digital SWR Wattmeter..........$179.95



Giant SWR/Wattmeter

- Quit squinting: giant 6.5" display
- 20/200/2,000 watt min./mid./max. power ranges
- 1.8-60 MHz frequency range
- Uses MFJ's "TrueActive" circuit for true peak or average forward reflected power readings

New!

MFJ-868B Giant SWR/Wattmeter...... $149.95





AMERITRON®

Flat Mount Mobile SWR/Wattmeter

New!

- Easy dashboard mount
- 1.8-30 MHz Range
- LED illuminated cross-needle meter
- Remote sensor included
- Uses 12 Vdc source or 9V battery

AME-AWM-35H Flat Mount Mobile SWR/Wattmeter.....................$159.95

back DWA-CN-801HP front



front back





DWA-CN-101

Daiwa meters deliver high quality at a value price, making them ideal for sophisticated and simple setups. The cross-needle meters display SWR, power output and reflected power.

DWA-CN-101...$99.95
- 15/150/1,500 watt min./mid./max. power range
- 1.8-200 MHz frequency range

DWA-CN-801HP...$159.95
- 20/200/2,000 watt min./mid./max. power range
- 1.8-200 MHz frequency range

DWA-CN-801HP3...$189.95
- 30/300/3,000 watt min./mid./max. power range
- 1.8-200 MHz frequency range

DWA-CN-801V...$149.95
- 20/200 watt min./max. power range
- 140-525 MHz frequency range

DWA-CN-801SII...$249.95
- 0.2/200/2,000 watt min./mid./max. power range
- 900-2500 MHz frequency range



LST-WT-3129B



LST-WT-3102S

New!



LST-WT-3129B



LST-WS8117UITOAK

LST-WT-8112



LST-WT-8005U-B

LST-WS-8115U-S

Wall Clocks

These large, easy-to-read wall clocks are more than mere timepieces; they display weather conditions, the date and even moon phases. Available in several styles, they will look great on almost any wall. Ensure that you're never late for dinner, your job or wedding day again by using a wall clock from La Crosse Technology to stay on schedule!

LST-WT-3102S	Analog Clock, White Face, Silver Bezel, 10" Diameter	$19.95
LST-WT-3129B	Analog Clock, White Face, Black Bezel, 10" Diameter	$29.95
LST-WT-8005U-B	Wall Clock with Inside Temperature and Date	$24.95
LST-WS-8115U-S	Atomic Digital Clock with Inside/Outside Temperature	$24.95
LST-WS-8418AL-IT	Atomic Digital Clock with Moon Phase	$31.95
LST-WS8117UITOAK	Digital Clock with Calendar, Temperature, Moon Phase	$31.95
LST-WT-8112U	Solar Atomic Digital Clock, Temperature, Moon Phase	$24.95

LA CROSSE TECHNOLOGY®

LST-WT5220UITCBP

Desk Clock

Keep the time and inside/outside temperature on your desk AND your wall with this innovative desk clock. This self-setting atomic clock has a traditional display, plus it can project the time and temperature onto your wall in stunning color. It features an alarm with a snooze button, making it perfect for the bedroom or your shack. An AC adapter is included.

LST-WT5220UITCBP Desk Clock with Projection and Alarm................................$34.95



Digital Altimeter Watch

Carry an altimeter, thermometer, barometer, and compass on your wrist! This watch even lets you take bearing readings and gives you accurate weather forecasts. A full chronograph mode includes a stopwatch and counting timer, with memory. The watch is water-resistant to 30 feet and has an electro-luminescent backlight. (Oh, and it tells time, too.)

LST-XG-55 Digital Altimeter Watch $64.95



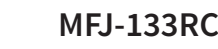
MFJ-113

LOCAL UTC MFJ-12/24 HOUR DUAL LCD CLOCK MODEL MFJ-108B

MFJ-108B

MFJ-121B





MFJ-133RC



MFJ Desk Clocks

Maintain an accurate log and ensure that you don't lose track of time. Available in 12 and 24 hour formats, these MFJ clocks have large, easy-to-read displays.

MFJ-108B	Dual Time Zone LCD Clock, Silver Face	$21.95
MFJ-121B	Dual Time Zone LCD Clock, Green Face	$69.95
MFJ-133RC	Atomic Dual Time Zone Compact Clock	$34.95
MFJ-113	LED Desk Clock	$19.95



How's the Weather?

Get used to answering that question, because these monitoring tools will make you an instant authority on Mother Nature. From basic thermometers to advanced meteorological measurement equipment, outfit your shack with accurate weather monitoring gear and "how's the weather" becomes more than just small talk. Find all the specs on each weather station at DXEngineering.com.


LST-308-807



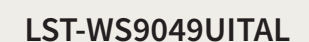

LST-WS-450B











LST-WS-1516-IT

LST-WS2815UITAL

LST-WS-1912U-IT

LST-WS9049UITAL

LST-WS-7014CH-IT

New!

Professional Weather Stations

Tailored to the enthusiast, these are powerful and versatile stations. In addition to the standard measurements, these stations let you monitor wind direction/speed, wind chill, dew point and more, depending on the one you choose. There are stations with solar powered sensors, USB connectivity, storm warnings and alarms. Many are compatible with La Crosse Technology's own "Heavy Weather" software. Data storage is non-volatile and the stations transmit wirelessly at 915 MHz. Find all the specs on each station at DXEngineering.com.

LST-308-807	Color Display, Remote, Shows Photos, 5 Vdc Adapter	$139.95
LST-WS-1516-IT	Backlit Display, Wireless Indoor Console, 3 AA Batteries	$99.95
LST-WS-1912U-IT	Backlit Display, Stores 17 Days of Data, 3 AA Batteries	$56.95
LST-WS-1612AL-IT	Backlit Display, Stores 25 Days of Data, Aluminum Trim	$94.95
LST-WS-1612CH-IT	Backlit Display, Stores 25 Days of Data, Cherry Trim	$94.95
LST-WS-2810U-IT	Stores 72 Days of Data, USB, Windows Compatible	$159.95
LST-WS2811SALIT	Stores Data, 7.5" Wide Bezel, Windows Compatible	$159.95
LST-WS2815UITAL	Stores Data, 9.5" Wide Bezel, Windows Compatible	$169.95

New!

Wireless Weather Stations

Depending on the model, these weather stations allow you to monitor, record, and track several key weather conditions like temperature, dew point, humidity, barometric pressure, and even rainfall. From basic measurements to comprehensive forecasts, these feature-laden weather stations are invaluable tools for your shack.

LST-308-145B

LST-WS-7014CH-IT	Cherry Trim, Expandable to 3 Temp. Sensors	$34.95
LST-WS-7017U-IT	Aluminum Trim, Expandable to 3 Temp. Sensors	$32.95
LST-308-145B	Color Display, Atomic Time/Date, Wireless	$44.95
LST-WS-450B	Animated Graphs, USB Charging Port, 6 Vdc Adapter	$44.95
LST-WS9049UITAL	Displays Forecast, Pressure History, Moon Phase	$49.95

New!

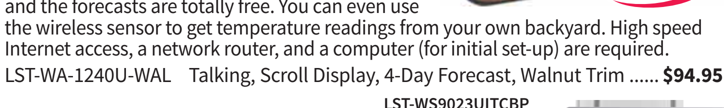
Handheld Anemometer

Planning for a DXpedition, Field Day or Hill-Topping? Add accurate weather monitoring tools to your gear and make sure you're ready for Mother Nature. This Anemometer lets you monitor wind speed, wind chill and temperature, plus it's small enough to fit in your pocket.

LST-EA-3010U	Handheld Anemometer, Uses CR2032 Lithium Battery	$37.95

Internet Weather Station

Harness the power of the World Wide Web. Get access to the same reports that professional meteorologists use. You can use La Crosse Technology's own website (WeatherDirect.com) to get accurate up-to-the-minute weather data, 24 hours a day. This station works without Wi-Fi, there's no software to install and the forecasts are totally free. You can even use the wireless sensor to get temperature readings from your own backyard. High speed Internet access, a network router, and a computer (for initial set-up) are required.



LST-WA-1240U-WAL	Talking, Scroll Display, 4-Day Forecast, Walnut Trim	$94.95

New!

Wireless Rain Center

Find out how much rain you've received in the last 24 hours with this easy-to-use tool. It can also display total cumulative rainfall levels. The display updates every six seconds and you can configure the alarm to signal excessive rainfall. The wireless sensor is self-emptying and durable.



LST-WS9004UITCBP	Wireless Rain Center	$28.95

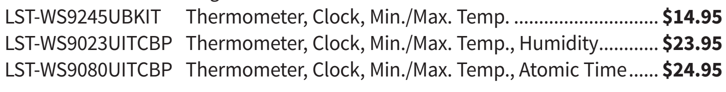
LST-WS9023UITCBP

New!

Indoor/Outdoor Thermometers

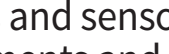
Affordable and accurate tools to measure indoor and outdoor temperatures. They have a wireless outdoor sensor, and can display temperature and humidity. The WS9080UIT-CBP features a self-setting Atomic clock.

LST-WS9080UITCBP



LST-WS9245UBKIT	Thermometer, Clock, Min./Max. Temp.	$14.95
LST-WS9023UITCBP	Thermometer, Clock, Min./Max. Temp., Humidity	$23.95
LST-WS9080UITCBP	Thermometer, Clock, Min./Max. Temp., Atomic Time	$24.95

LST-306-605



Outdoor Thermometers

These thermometers and sensors are made to withstand the elements and provide accurate readings for years. They have large, easy to read displays and incorporate several key features. Choose from outdoor standalone units and indoor units with wireless sensors.



LST-306-605	Window Thermometer, Clock, Solar Powered, Backlit	$24.95
LST-WS6020UITCBP	Thermometer with Wireless Sensor, 5.7" x 3.6"	$24.95
LST-WS6010UITCBP	Thermometer with Wireless Sensor, 6.1" x 5.3"	$27.95





Indoor Thermometer

Get accurate temperature, time and humidity readouts in an attractive device. This handy tool can record minimum and maximum temperatures, plus there's a smiley face icon that instantly tells you how comfortable the conditions are.



LST-302-604B	Indoor Thermometer	$17.95

Exclusively from DX Engineering!

Weather Forecasting Quick Reference Cards

This card shows you how to use the information from your fancy weather station. It tells you how to interpret barometric pressure, wind direction, cloud types, and more. Get years of meteorology lessons on a single card—perfect for weather-watchers, boaters and Hams.

DVI-131 Weather Forecasting Quick Reference Cards (2) **$8.99**



Vantage Vue Weather Station

Get critical weather details on a sleek LCD console. The Vantage Vue Weather Station displays barometric pressure, wind speed/direction, temperature, wind chill, rainfall, dew point and more. It uses a Weather Center function that records conditions over the past 25 days.

This solar-powered wireless sensor uses frequency-hopping spread spectrum radio technology to transmit at distances up to 1,000 feet with updates every 2.5 seconds. The station is compatible with Vantage Pro2 weather stations, so you can mix-and-match components.

DVI-6250 Vantage Vue Weather Station **$355.50**



Vantage Pro2 Weather Station

Tailored to the serious sky-watcher, this station uses a wireless, solar-powered sensor array to provide precise weather data. The easy-to-use LCD controller shows graph readouts and forecasting icons. As with many of Davis Instruments' Weather Stations, the Vantage Pro2 is fully expandable with a variety of sensors, wireless repeaters and probes. Find them at DXEngineering.com

The station gives you precise readouts on wind speed/direction, barometric pressure, temperature, wind chill, relative humidity, rainfall, dew point and more.

DVI-6152 Vantage Pro2 Weather Station... **$535.50**



MSQ-6M-1K2





MSQ-6M-1K2-NOPS

Six Meter 1,200 Watt Amplifier

M2 Antennas' 6M-1K2: excellent performance in a lightweight package. It's compact design makes it perfect for Field Day and DXpeditions, and it's equally at home in your shack. The standalone unit weighs only 13 pounds, or you can add a built-in 92% efficient switching power supply and it still only weighs around twenty pounds.

The 1K2 is designed for EME (CW and JT65), SSB, CW, or the very popular JT6M for meteor scatter. Full power output is possible for hours using 50 second transmissions for JT65A.

MSQ-6M-1K2 6 Meter 1,200 Watt Amplifier with Power Supply **$3,299.00**
MSQ-6M-1K2-NOPS 6 Meter 1,200 Watt Amplifier without Power Supply ... **$2,699.00**



MSQ-2M-1K2-NOPS

MSQ-2M-1K2

Two Meter 1,200 Watt Amplifier

An amplifier that's beautiful in its simplicity.
At the heart of this 2 meter amplifier is single LDMOS FET rated at an incredible 1,250 watts. The 2M-1K2 can handle up to a 65:1 mismatch, and it monitors temperature, current, VSWR, drive and mode to adjust output.

At just 13 pounds, it is the smallest 1,200 watt amplifier ever offered. You can order it with a built in, 92% efficient switching supply, and the total weight is still just 20.5 pounds.

Like its 6 meter counterpart, the 6M-1K2, this lightweight and reliable 2 meter amp is perfect for portable remote operations or permanent installation in your shack. It is well suited for EME (CW and JT65), SSB or CW.

MSQ-2M-1K2 2 Meter 1,200 Watt Amplifier with Power Supply **$3,299.00**
MSQ-2M-1K2-NOPS 2 Meter 1,200 Watt Amplifier without Power Supply **$2,699.00**



Wind Speed Meters

Perfect for SKYWARN activities, these ultra-accurate meters let you keep one eye on the wind and the other on the weather.

The WindScribe uses patented ultrasonic sensor technology to give you wind speed, highest positive speed, lowest negative speed and average wind speeds. The meter can also determine wind chill. It includes a replaceable coin cell battery that lasts up to 600 hours, a wrist lanyard and mounting bracket.

Perfect for quick, easy wind measurement, the Wind Wizard is a handheld vane anemometer with an analog display. It uses a small built-in wind tunnel to show wind speed without the need for batteries. A lanyard and protective case is included.

Find more wind meters and detailed specs on each, at DXEngineering.com

DVI-276 WindScribe Digital Meter **$121.50**
DVI-281 Wind Wizard Analog Meter... **$48.59**







ALS-500M Solid State Mobile Amplifier
- Coverage: 1.5 to 22 MHz (10-12 meters with optional install kit)
- Power output:
  - 500 watts PEP
  - 400 watts CE
- (4) 2SC2879 high power linear RF power transistors
- On/off switch, optional remote on/off control
- DC current meter
- Quiet, thermostatically-controlled low-speed fan
- Instant bandswitching, no tuning required

AME-ALS-500M Solid State Mobile Amplifier **$789.95**



ALS-500RC Remote Head
- DC current meter
- Remote head for Ameritron's ALS-500M, ALS-600, ALS-600S and ALS-1300
- Operates amplifier's power and frequency select switches
- Power, transmit and overload indicator LEDs

AME-ALS-500RC Remote Head **$49.95**

ALS-500MR Mobile Amplifier and Remote Combo

AME-ALS-500MR Mobile Amplifier and Remote Combo **$849.95**

Ameritron Amplifier Modification Kits
Add 10 and 12 meter band coverage to your Ameritron amplifier. Proof of U.S. Amateur License is required when purchasing 10 meter modification kits. Be sure to check your amplifier's serial number for modification compatibility before you order.

New!

Part Number	For Amp Model	Serial Number	Price
AME-MOD-10M	ALS-500M, 600	12521 & -	**$29.95**
AME-MOD-10MB	ALS-600, 600S	12522 & +	**$29.95**
AME-MOD-10MK	ALS-1300	Any	**$39.95**



ICP-120 & ICP-240 In-Rush Current Protectors
- Designed to stop damaging in-rush current
- Protect your tubes from thermal shock
- No complicated wiring, plugs right in to AC

AME-ICP-120 In-Rush Current Protector, 120 Vac **$79.95**

AME-ICP-240 In-Rush Current Protector, 240 Vac **$79.95**



ALS-600 Solid State Linear Amplifier
- Coverage: 1.5 to 22 MHz (10-12 meters with optional install kit)
- Power output:
  - 600 watts PEP
  - 500 watts CE
- (4) rugged TMOS RF power FETs
- Includes 120/220 Vac 50/60 Hz power supply
- Illuminated cross-needle SWR/wattmeter
- Quiet, low-speed, low-volume fan
- Instant bandswitching, no tuning required
- Rugged linear power supply

AME-ALS-600 Solid State Linear Amplifier **$1,279.95**



ALS-600S Solid State Linear Amplifier
- Coverage: 1.5 to 22 MHz (10-12 meters with optional install kit)
- Power output:
  - 600 watts PEP
  - 500 watts CE
- (4) rugged TMOS RF power FETs
- Includes lightweight switching power supply
- Illuminated cross-needle SWR/wattmeter
- Quiet, low-speed, low-volume fan
- Instant bandswitching, no tuning required
- Lightweight switching power supply

AME-ALS-600S Solid State Linear Amplifier... **$1,399.95**



ALS-1300 Solid State HF Amplifier
- Coverage: 1.5 to 22 MHz (10-12 meters with optional install kit)
- Power output:
  - 1,200 watts SSB
- (8) rugged MRF-150 power FETs
- Front panel ALC control
- Illuminated cross-needle SWR/wattmeter
- Operate/Standby switch
- Instant bandswitching, no tuning required
- Lightweight switching power supply

AME-ALS-1300 Solid State Linear Amplifier ... **$2,395.95**



QSK-5 High Power Transmit/Receive Switches
- Electronic PIN diode switching for fast QSK operation
- Power handling:
  - 2,500 watts PEP
  - 2,000 watts CW
  - 750 watts RTTY/SSTV/FM
- Sure switching prevent hot switching RF power
- AmpSaver feature shuts off tube current between dots and dashes

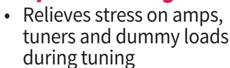
AME-QSK-5 Self-Contained QSK-5 High Power T/R Switch, 120 Vac **$369.95**

AME-QSK-5X Self-Contained QSK-5 High Power T/R Switch, 220/240 Vac **$349.95**

AME-QSK-5PC PC Board Assembly, QSK-5 High Power T/R Switch........... **$279.95**



ATP-102 Deluxe Amplifier Tuning Pulser



- Relieves stress on amps, tuners and dummy loads during tuning
- Works with any solid state transceiver or transmitter
- Front panel adjustment controls



AME-ATP-102 Deluxe Amplifier Tuning Pulser **$79.95**



ARB-704 Amplifier/Transceiver Interface Buffer
- Protects your expensive radio from damage
- Works with almost any transceiver
- No moving parts, almost instant switching

AME-ARB-704 Interface Buffer **$59.95**

AME-ARB-704I2 Interface Buffer with Cable for Icom 7000/760/718 .... **$59.95**

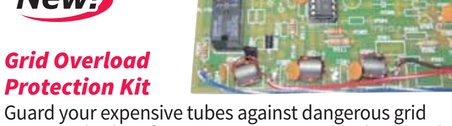
ARB-704 Interface Cables

New!

These cables let you connect your specific transceiver to Ameritron's ARB-704 Interface Buffer. These are plug-and-play configurations that let you safely connect virtually any modern transceiver to your ARB-704.

Part Number	Radio	Description	Price
AME-PNP-7DI	Icom	7-Pin DIN	**$17.95**
AME-PNP-8DI	Icom	8-Pin DIN	**$17.95**
AME-PNP-13D	Icom	13-Pin DIN	**$17.95**
AME-PNP-7D	Kenwood	7-Pin DIN	**$17.95**
AME-PNP-8MK	Kenwood	8-Pin Mini-DIN	**$17.95**
AME-PNP-5M	Yaesu	5-Pin Mini-DIN	**$17.95**
AME-PNP-8D	Yaesu	8-Pin DIN	**$17.95**
AME-PNP-8M	Yaesu	8-Pin Mini-DIN	**$17.95**





Grid Overload Protection Kit
Guard your expensive tubes against dangerous grid current. This kit's fast acting circuit quickly disables the amp if grid current becomes excessive. If you're ordering a new Ameritron Amplifier, this kit can be factory installed, contact us and we'll arrange it. The kit is designed for Ameritron AL-80B, AL-82, AL-811H, AL-572 and AL-1200 amplifiers only.

AME-GOP-100 Grid Overload Protection Kit ... **$39.95**



AL-811 Linear Amplifier

- Coverage: all HF bands (user-modifiable to 10/12 meters)
- Power output:
  - 600 watts PEP SSB
  - 500 watts CW
  - 400 watts RTTY, SSTV, FM and AM
- Tube complement: (3) rugged, neutralized 811A transmitting tubes
- Two illuminated cross-needle meters
- Transmit LED
- Operate/Standby switch

AME-AL-811 Linear Amplifier **$729.95**
AME-AL-811XCE Linear Amplifier, CE-certified ... **$848.95**



AL-811H Linear Amplifier

- Coverage: all HF bands (user-modifiable to 10/12 meters)
- Power output:
  - 800 watts PEP SSB
  - 600 watts CW
  - 400+ watts RTTY, SSTV, FM and AM
- Tube complement: (4) rugged, neutralized 811A transmitting tubes
- Two illuminated cross-needle meters
- Transmit LED
- Operate/Standby switch

AME-AL-811H Linear Amplifier....................... **$879.95**
AME-AL-811HXCE Linear Amplifier, CE-certified **$998.95**



AL-80B Linear Amplifier

- Coverage: all HF bands (user-modifiable to 10/12 meters)
- Power output:
  - 1,000 watts PEP SSB
  - 800 watts CW
  - 500 watts RTTY, SSTV, FM and AM
- Tube: (1) genuine, warrantied 3-500ZG transmitting tube
- Two illuminated cross-needle meters
- In-rush current protection
- Multi-voltage power transformer

AME-AL-80B Linear Amplifier................... **$1,329.95**



AL-800 Linear Amplifier

- Coverage: 160-15 meters (user-modifiable to 10/12 meters)
- Power output:
  - 1,250 watts PEP SSB
  - 850 watts CW
- Tube: (1) 3CX800A7 transmitting tube
- Two illuminated cross-needle meters
- In-rush current protection
- Air cooled with pressurized ventilation
- Multi-voltage power transformer

AME-AL-800 Linear Amplifier................... **$2,119.95**



AL-800H Linear Amplifier

- Coverage: 160-15 meters (user-modifiable to 10/12 meters)
- Power output:
  - 1,500 watts PEP/CW
- Tube complement: (2) 3CX800A7 transmitting tubes
- Two illuminated cross-needle meters
- In-rush current protection
- Air cooled with pressurized ventilation
- Multi-voltage power transformer
- Operate/Standby switch

AME-AL-800H Linear Amplifier **$2,999.95**



AL-572 Linear Amplifier

- Coverage: 160-15 meters (user-modifiable to 10/12 meters)
- Power output:
  - 1,300 watts PEP
  - 1,000 watts CW
- Tube complement: (4) 572B transmitting tubes
- Two illuminated cross-needle meters
- In-rush current protection
- Multi-voltage power transformer
- QSK compatible

AME-AL-572 Linear Amplifier................... **$1,599.95**



AL-1200 Linear Amplifier

- Coverage: 1.8, 3.5, 7, 14, 21 MHz and WARC bands (user-modifiable to include 28 MHz)
- Power output:
  - 1,500 watts
  - 2,500+ watts (PEP two tone for 1/2 hour)
- Tube complement: (1) 3CX1200Z7
- Two illuminated, selectable meters
- Forced air cooling system
- Factory-wired for 240 Vac, 50/60 Hz
- Rectifier diodes rated for 200A

AME-AL-1200 Linear Amplifier................... **$3,389.95**



AL-1500 Linear Amplifier

- Coverage: 1.8, 3.5, 7, 14, 21 MHz and WARC bands (user-modifiable to include 28 MHz)
- Power output:
  - 1,500 watts (1/2 hour continuous carrier)
  - 2,500 watts (30 second continuous carrier)
- Tube complement: (1) 3CX1500A7/887 Ceramic
- Two illuminated, selectable meters
- In-rush current protection
- Multi-voltage power transformer
- QSK-compatible

AME-AL-1500 Linear Amplifier................... **$3,829.95**



AL-82 Linear Amplifier

- Coverage: 1.8, 3.5, 7, 14, 21 MHz and WARC bands (user-modifiable to include 28 MHz)
- Power output:
  - 1,800 watts continuous
  - 1,500 watts RTTY, CW (70% plate efficiency)
  - 1,500 watts PEP, SSB, SSTV (low distortion)
- Tube complement: (2) 3-500ZG transmitting tubes
- Two illuminated, selectable meters
- In-rush current protection
- Factory-wired for 240 Vac, 50/60 Hz

AME-AL-82 Linear Amplifier................... **$2,729.95**



Automatic Bandswitching Radio Interface

Connect this between your Ameritron ALS-Series Solid State Amplifier and transceiver, and it will automatically select the right frequency range for your amp based on the band you're using. It works with most Icom, Kenwood and Yaesu transceivers, and there's a full compliment of interface cables available for easy hookup.

New!

AME-ARI-500 Automatic Bandswitching Radio Interface **$119.95**

ARI-500 Interface Cables—These cables let you connect your specific transceiver, the ARI-500, to your amplifier.

Part Number	Radio Brand	Description	Price
AME-RJ-7DI	Icom	7-Pin DIN	**$24.95**
AME-RJ-13D	Icom	13-Pin DIN	**$24.95**
AME-RJ-DB97DK	Kenwood	DB-9 RS-232	**$24.95**
AME-RJ-8DY	Yaesu	8-Pin DIN	**$24.95**





Mirage Amplifiers—Big Power in a Small Package for Your Base or Mobile Rig!

BD-35 Dual-Band HT Amplifier

- Coverage: 2 meters and 70cm, FM mode
- Power input/output:
  - o 4 watts in/45 watts out (2M)
  - o 4 watts in/35 watts out (70cm)
- Full duplex: talk and listen at the same time
- D-STAR compatible
- Auto band selection, reverse polarity protection
- Works with HTs to 8 watts
- Auto RF-sensing transmit/receive switch

MIR-BD-35 Dual-Band HT Amplifier **$189.95**

A-1015-G 6 Meter Amplifier

- Coverage: 6 meters
- Power input/output:
  - o 10 watts in/150 watts out
- Low-noise GaAsFET receive preamps offer 20 dB of gain
- Great for mobile or base stations
- Modes: FM/Digital/SSB/CW
- Draws 18-22A at 13.8 Vdc
- Accepts up to 10 watts of input power
- Built-in protection circuits

MIR-A-1015-G 6 Meter Amplifier................... **$349.95**



B-34 and B-34-G HT Amplifiers

- Coverage: 2 meters
- Power input/output:
  - o 2 watts in/35 watts out
- Modes:
  - o FM
  - o CW/FM/SSB
- Low-noise GaAsFET receive preamp offers 20 dB of gain (B-34-G)
- Heavy-duty heatsink
- Draw 4A at 13.8 Vdc

MIR-B-34 HT Amplifier **$99.95**
MIR-B-34-G HT Amplifier **$119.95**

B-1018-G, B-2518-G and B-5018-G 2 Meter Amplifiers

MIR-B-1018-G

- Coverage: 2 meters
- Power input/output:
  - o 10 watts in/160 watts out (B-1018-G)
  - o 25 watts in/160 watts out (B-2518-G)
  - o 50 watts in/160 watts out (B-5018-G)
- Modes: FM/Digital/SSB/CW
- Low-noise GaAsFET receive preamps offer 20 dB of gain
- Draw 25A at 13.8 Vdc
- Active-Bias for crisp SSB response

MIR-B-1018-G 2 Meter Amplifier................... **$369.95**
MIR-B-2518-G 2 Meter Amplifier................... **$339.95**
MIR-B-5018-G 2 Meter Amplifier................... **$339.95**





B-310-G and B-320-G HT Amplifiers

- Coverage: 2 meters
- Power input/output:
  - o 3 watts in/100 watts out (B-310-G)
  - o 3/50 watts in/200/200 watts out (B-320-G)
- Modes: FM/Digital/SSB/CW
- Low-noise GaAsFET receive preamps offer 15 dB of gain
- Draw 15A at 13.8 Vdc
- Fully SWR and reverse polarity protected
- Include cable, rubber feet and warranty

MIR-B-310-G HT Amplifier **$239.95**
MIR-B-320-G HT Amplifier **$459.95**

D-1010-N and D-3010-N UHF Amplifiers

- Coverage: 70cm band
- Power input/output:
  - o 10 watts in/100 watts out (D-1010-N)
  - o 30 watts in/100 watts out (D-3010-N)
- Modes: FM/Digital/SSB/CW
- Draw 20A at 13.8 Vdc
- Fully SWR and reverse polarity protected
- Cable, rubber feet and warranty included

MIR-D-1010-N UHF Amplifier........................ **$399.95**
MIR-D-3010-N UHF Amplifier........................ **$379.95**

D-100-ATVN, D-1010-ATVN and D-1010-ATV-NR Amateur TV UHF Amplifiers

- Coverage: 70cm band
- Power input/output:
  - o 2 watts in/100 watts out (D-100-ATVN)
  - o 10 watts in/100 watts out (D-1010-ATVN)
  - o 40 watts in/80 watts out (D-1010-ATV-NR)
- Draw 20A at 13.8 Vdc (D-100-ATVN, D-1010-ATVN)
- Draw 15A at 13.8 Vdc (D-1010-ATV-NR)
- Fully SWR and reverse polarity protected
- Cable, rubber feet and warranty included

MIR-D-100-ATVN ATV UHF Amplifier...........**$429.95**
MIR-D-1010-ATVN ATV UHF Amplifier...........**$409.95**
MIR-D-1010ATV-NR ATV UHF Repeater Amplifier...........**$589.95**





RC-1 and RC-2 Remote Control Heads

- RC-1 compatible with most Mirage Amplifiers
- RC-2 specifically for B-2518-G/B-5018-B
- Preamp on/off
- FM/SSB switch
- Cable included

MIR-RC-1 Remote Control Head...............**$49.95**
MIR-RC-2 Remote Control Head...............**$49.95**

MIRAGE

A-1015-R 6 Meter Repeater Amplifier

- Coverage: 6 meters
- Power input/output:
  - o 5 watts in/98 watts out
- All mode operation
- Cool-running with rackmount heatsink
- Overheating protection/bypass mode
- Works with RC-1 Remote Control Head

MIR-A-1015-R 6 Meter Repeater Amplifier (SO-239 Connector) **$529.95**

D-1010-NR and D-3010-NR UHF Repeater Amplifiers

- Coverage: 440-450 MHz
- Power input/output:
  - o 4 watts in/80 watts out (D-1010-NR)
  - o 12 watts in/80 watts out (D-3010-NR)
- All mode operation
- Cool-running with rackmount heatsink
- Overheating protection/bypass mode

MIR-D-1010-NR UHF Repeater Amplifier......... **$649.95**
MIR-D-3010-NR UHF Repeater Amplifier......... **$629.95**











In-Shack and Mast-Mounted Preamplifiers

- Ultra low-noise GaAsFETs with switchable gain
- Automatic RF switching
- Handle up to 100 watts bypass
- KP-1 series are single unit inline preamplifiers
- KP-2 series use separate RF Line voltage control and preamp units

MIR-KP-1-10M In-Shack Preamplifier, 10 Meter **$139.95**
MIR-KP-1-6M In-Shack Preamplifier, 6 Meter **$139.95**
MIR-KP-1-2M In-Shack Preamplifier, 2 Meter **$139.95**
MIR-KP-1-220 In-Shack Preamplifier, 220-225 MHz..........................**$139.95**
MIR-KP-1-440 In-Shack Preamplifier, 430-450 MHz..........................**$139.95**
MIR-KP-2-10M Mast-Mounted Preamplifier, 10 Meter **$179.95**
MIR-KP-2-6M Mast-Mounted Preamplifier, 6 Meter **$179.95**
MIR-KP-2-2M Mast-Mounted Preamplifier, 2 Meter **$184.95**
MIR-KP-2-220 Mast-Mounted Preamplifier, 220-225 MHz..........................**$179.95**
MIR-KP-2-440 Mast-Mounted Preamplifier, 430-450 MHz..........................**$184.95**

International Shipping is Quick and Easy! See Page 58 for Details

AT-1000ProII Automatic Antenna Tuner

- 1,000 watts power handling maximum
- 1.8 to 54 MHz frequency range
- 2,000 memories for each antenna and auto configuration storage
- Tunes 6 to 1,000 Ω loads (16 to 150 Ω on 6M)
- 10 second tuning time, 0.2 second memory tuning
- Bar graph LED display shows SWR and selectable power ranges

LDG-AT1000PROII **$438.95**




YT-450 Automatic Antenna Tuner

- Tailored to Yaesu FT-450 and FT-950 radios
- 100 watts power handling maximum
- 1.8 to 54 MHz frequency range
- 2,000 memories, sorted by frequency
- Tunes 4 to 1,000 Ω loads (16 to 150 Ω loads on 6M)
- SO-239 in/out connections for dipoles, verticals, beams, etc
- Powered from Yaesu radio using supplied CAT interface cable

LDG-YT-450 ....**$219.95**

AL-100 Automatic Antenna Tuner *New!*

- Tailored to the Alinco SR8T radio
- Great for QRP rigs or backpackers
- Handles .1 to 1,000 watts
- 1.8 to 54 MHz frequency range
- 2,000 fast memories
- Tunes 6 to 800 Ω loads
- Powered by Alinco radio using 11 to 18 Vdc

LDG-AL-100.. **$139.95**

AT-897Plus Automatic Antenna Tuner

- Tailored to the Yaesu FT-897 radio
- 100 watts power handling maximum
- 1.8 to 54 MHz frequency range
- 1 to 7 second tuning time
- 2,000 memories, sorted by frequency
- Tunes 6 to 800 Ω loads
- Switched L tuning network
- Requires 11 to 14 Vdc at 300mA

LDG-AT-897PLUS...**$174.95**




YT-100 Automatic Antenna Tuner

- Tailored to certain Yaesu radios
- 100 watts power handling maximum
- 1.8 to 54 MHz frequency range
- 2,000 memories, sorted by frequency
- Tunes 4 to 800 Ω loads (16 to 150 Ω loads on 6M)
- SO-239 in/out connections for dipoles, verticals, beams, etc.
- Powered from Yaesu radio using supplied CAT interface cable

LDG-YT-100 ....**$169.95**

KT-100 Automatic Antenna Tuner

- Works with any AT-300 compatible Kenwood radio
- 125 watts power handling maximum
- 1.8 to 54 MHz frequency range
- 0.1 to 6 second tuning time, 0.1 second memory tune
- Tunes 6 to 1,000 Ω loads (6 to 4,000 Ω with 4:1 balun)
- Optional external balun allows random, long wire or ladder line fed antennas
- Powered by Kenwood transceiver via included interface cable

LDG-KT-100..**$179.95**



IT-100 Automatic Antenna Tuner

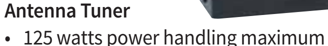
- Works with any AH-3/AH-4 compatible Icom radio
- 125 watt power handling maximum
- 1.85 to 54 MHz frequency range
- 0.1 to 6 second tuning time, 0.1 second memory tune
- Tunes 4 to 800 Ω loads (4 to 3,600 Ω with 4:1 balun)
- Optional external balun allows random, long wire or ladder line fed antennas
- Powered by Icom transceiver via included cable

LDG-IT-100..**$169.95**

Z-817 and Z-817H Automatic Antenna Tuners

- Tailored to the Yaesu FT-817 radio
- Excellent for QRP operation
- 20 watts (75 watts on Z-817H) power handling maximum
- 1.8 to 54 MHz frequency range
- 2,000 memories, sorted by frequency
- Tunes 6 to 600 Ω loads
- Operates on 4 AA batteries or by radio with included CAT cable

LDG-Z-817...**$114.95**
LDG-Z-817H **$139.95**

Z-100Plus Automatic Antenna Tuner

- 125 watts power handling maximum
- 1.8 to 54 MHz frequency range
- 0.1 second memory tune
- 2,000 memories, sorted by frequency
- Tunes 6 to 800 Ω loads (16 to 150 Ω on 6M)
- SO-239 in/out connections for dipoles, verticals, beams, etc.
- Requires 7 to 18 Vdc at 100mA maximum

LDG-Z-100PLUS...**$144.95**

LDG Antenna Tuners



It is critically important to ensure that your antenna is properly matched to your transceiver. Not only does improper tuning affect your ability to transmit and receive, a poorly tuned antenna system could damage your gear. These antenna tuners from LDG Electronics are an easy way to get some peace of mind, while maximizing your transceiver's performance.

Find the complete specs on each one of LDG's impressive antenna tuners at DXEngineering.com.



AT-100ProII Automatic Antenna Tuner

- 125 watts power handling maximum
- 1.8 to 54 MHz frequency range
- Two-position switch
- 2,000 memories for each antenna and auto configuration storage
- Tunes 6 to 1,000 Ω loads (16 to 150 Ω on 6M)
- Matches virtually any coax-fed antenna
- Bar graph LED display shows power, SWR, mode and status
- Requires 11 to 16 Vdc at 500mA

LDG-AT-100PROII **$199.95**



AT-200ProII Automatic Antenna Tuner

- 250 watts power handling maximum
- 1.85 to 54 MHz frequency range
- 2-position switch with 8 antenna memories
- 0.5 to 6 second tuning time
- Tunes 6 to 800 Ω loads (6 to 3,600 Ω with 4:1 balun)
- 4,000 memories for instantaneous band switching
- Easy-to-read LED display for RF power, SWR and status
- Requires 11 to 16 Vdc at 750mA

LDG-AT-200PROII **$234.95**



AT-600ProII Automatic Antenna Tuner

- Tunes 6 to 800 Ω loads
- 600 watts power handling maximum
- 1.85 to 54 MHz frequency range
- Two-position switch with memories for each position
- 0.5 to 6 second tuning time, 0.1 second memory tune
- 4,000 memories for instant band switching
- Bright LED display
- Requires 11 to 16 Vdc at 750mA

LDG-AT-600PROII **$304.95**

Optional Remote Meter for AT-600ProII

LDG-M-600..**$124.95**

Z-11ProII Automatic Antenna Tuner

- 125 watts power handling maximum
- 1.8 to 54 MHz frequency range
- 0.1 to 6 second tuning time, 0.1 second memory tune
- 4,000 memories with automatic storage
- Tunes 6 to 100 Ω loads (16 to 150 Ω on 6M)
- Can operate using four AA batteries with user-installed holder
- Requires 6 to 16 Vdc at 300mA maximum, 25uA standby

LDG-Z-11PROII **$159.95**

Antenna Tuner Cables

The proper link between your tuner and radio is essential: LDG Electronics makes it easy to create the perfect match with these interface cables. Don't see your radio brand listed? There's a good chance we have it online at DXEngineering.com.

Part Number	Radio	Notes *New!*	Price
LDG-IC-PAC	Icom	Works with radios that support AH-3/AH-4 tuner, 14" long	**$9.95**
LDG-IC-PAC-6	Icom	6 foot version of IC-PAC Cable	**$11.95**
LDG-IC-2000	Icom	Pressing radio's tune button changes mode to CW	**$9.95**
LDG-Y-ACC	Yaesu	Pressing radio's tune button changes mode to CW	**$9.95**
LDG-IC-KT	Kenwood	Normal tuning cycle is about 15 seconds	**$11.95**
LDG-AL-PAC	Alinco	6' long	**$11.95**
LDG-DC-PWR-CABLE	LDG	Replacement power cable for any LDG device	**$4.95**




MFJ-993RC

Front

Back

Dual 300/150 Watt IntelliTuner™ Automatic Antenna Tuner

MFJ

This tuner lets you rapidly tune any antenna—balanced, unbalanced, or single-wire—automatically. The tuner is a comprehensive automatic antenna tuning center with SWR/wattmeter, antenna switch for two antennas, and a 4:1 current balun for balanced lines. Other features include a highly efficient switching L-network with wide matching capability, 1.8 to 30 MHz coverage, cross-needle power meters, backlight LCD display, a port for an accessory remote control, a radio interface port, and heavy-duty 16 amp/1,000-volt relays. The tuner is rated at 300 watts to match 6 to 1,600 Ω antennas (SWR up to 32:1) or 150 watts to match wider range of 6 to 3,200 Ω (SWR up to 64:1).

MFJ-993B Dual 300/150 Watt IntelliTuner™.. **$249.95**
MFJ-993RC IntelliTuner Remote Control.. **$39.95**

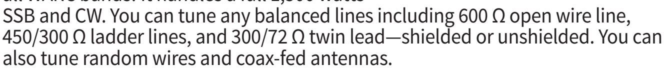
300 Watt Roller Inductor Antenna Tuner



This tuner's AirCore Roller Inductor, gear-driven turns counter, and spinner knob gives you exact inductance control for absolute minimum SWR. You get the widest matching range, ultra-high-Q, the lowest loss, highest efficiency and highest power handling of any roller inductor in ham radio. Other features include a full size lighted cross-needle SWR/wattmeter that reads true peak forward power, QRM-Free PreTune, eight-position antenna switch, built-in 50 Ω dummy load, and a heavy-duty 4:1 balun, all enclosed in a tough, attractive cabinet.

MFJ-969.. **$199.95**

1,500 Watt Fully Balanced Antenna Tuner



This is a full legal limit, fully-balanced antenna tuner. You get superb balance, very wide matching ranges (12-2,000 Ω) and continuous 1.8 to 30 MHz coverage including all WARC bands! It handles a full 1,500 watts SSB and CW. You can tune any balanced lines including 600 Ω open wire line, 450/300 Ω ladder lines, and 300/72 Ω twin lead—shielded or unshielded. You can also tune random wires and coax-fed antennas.

MFJ-976.. **$459.95**

1,500 Watt Antenna Tuner with Dummy Load



This roller inductor tuner is a CW antenna tuner rated to the US amateur legal limit of 1,500 watts. It is designed to match 50 Ω output amplifiers, transmitters, or transceivers to virtually any antenna. Peak and average forward power, reflected power, and SWR are displayed on the illuminated cross-needle meter. The roller inductor "T" matching network continuously tunes all frequencies from 1.8 through 30 MHz. You can match dipoles, inverted-vees, verticals, mobile whips, beams, random wires and many other antenna types. The tuner has rear panel connectors for coaxial, single wire or two wire feedlines. A built-in 4:1 balun allows the use of balanced open wire, twinlead, or twin-axial feedlines.

MFJ-989D **$349.95**

300 Watt Antenna Tuner



This 300 watt RF output power antenna tuner will match any transmitter or transceiver to virtually any antenna. Peak or average forward and reflected power plus SWR can be read on the illuminated cross-needle meter. The tuner uses a "T" matching network and covers all bands between 160 and 10 meters. This network will tune dipoles, inverted-vees, verticals, mobile whips, beams, random wires and many other antenna types. The tuner has rear panel connectors for coaxial, single wire or two wire feedlines. A built-in 4:1 balun allows the use of balanced open wire, twinlead, or twin-axial feedlines.

MFJ-949E.. **$168.95**

HF 1,500 Watt Antenna Tuner with Wattmeter & Antenna Switch



This tuner handles 1,500 watts PEP SSB amplifier input power (800 watts PEP SSB amplifier output power)—ideal for use with Ameritron's best-selling 800 watt AL-811H or 600 watt AL-811 amplifiers. The ultra-compact (10.75" W x 4" D x 10.875" H) tuner features an aluminum-skirted knob set with a weighted deluxe spinner knob and a scratch-proof, multi-colored Lexan® front panel. Two transmitting tuning capacitors and MFJ's exclusive AirCore roller inductor gives you precise control to get your SWR down to an absolute minimum.

MFJ-962D **$279.95**

1.8 to 30 MHz Artificial Ground



This artificial RF ground resonates a random length of wire thrown along the floor and produces a tuned counterpoise. This ground effectively places your rig near actual earth ground potential even if the rig is on the second floor or higher with no earth ground possible. It reduces the electrical length of the ground connection wire to virtually zero by tuning out its reactance. The artificial ground connects between your rig and a random length of wire or a connecting ground wire. It's tuned for maximum ground current using the built-in RF ammeter.

MFJ-931.. **$99.95**

300 Watt Antenna Tuner/Artificial Ground



This unit combines a versatile antenna tuner with an artificial ground. It turns a random wire into an effective antenna that works. It's great for traveling, emergency use, or as a makeshift antenna. The 300 watt, general purpose antenna tuner covers 1.8 to 30 MHz. It features a two range, lighted cross-needle meter that lets you read SWR, forward, and reflected power all at a glance, and a 4:1 balun for balanced lines. You also get an efficient airwound inductor, a special high-current/voltage 12 position inductor switch, and two 1,000-volt air-variable capacitors. It tunes all types of antennas and feedlines including random wire, coax, and balanced lines.

MFJ-934.. **$189.95**

2,500 Watt Continuous Carrier Tuner



This high-power antenna tuner operates at power levels up to 2,500 watts SSB or CW. It uses an edge wound roller inductor in a matching "T" network to continuously tune loads between 1.8 and 30 MHz. The tuner also features a true peak or average reading SWR/wattmeter. It will match dipoles, inverted-vees, verticals, mobile whips, beams, random wires, and many other antenna types. There are rear panel connectors for coaxial and single wire or balanced feedlines. The balanced feedlines are isolated from the tuner chassis with a fiberglass panel to reduce capacitive coupling, withstand high voltages, handle high currents. The tuner is designed to match 50 Ω output amplifiers, transmitters or transceivers to virtually any antenna with an impedance ranging from 12.5-2,000 Ω on 3.5-30 MHz. It will match loads ranging from 12.5-800 Ω on 1.8-3.5 MHz. An internal six-position antenna selector switch selects a built-in 50 Ω dummy load, two coaxial line outputs, or a single wire/balanced line output.

MFJ-9982.. **$629.95**

1,500 Watt IntelliTuner™



This automatic antenna tuning center has an SWR/watt meter and an antenna switch for two antennas. It lets you rapidly tune almost any unbalanced or single-wire antenna automatically. Balanced feedlines may be used with an external 4:1 balun connected to the tuner's antenna output. The tuner features MFJ's exclusive Amplifier Bypass Control™. It fully protects your amplifier during tuning and will even take your amplifier off-line if SWR increases above a user-defined, pre-set limit. The tuner includes a highly-efficient switching L-network with wide matching capability, 1.8 to 30 MHz coverage, cross-needle power meters, backlight LCD display, a radio interface port, and heavy-duty 16 amp/1,000-volt relays. It is rated at 1,500 watts SSB/CW and will match impedances from 12 to 1,600 Ω antennas (SWR up to 32:1).

MFJ-998.. **$599.95**



HF-AUTO 1,500 Watt Automatic Antenna Tuner

Palstar is taking the low-power auto-tuner to the next level with the HF-AUTO. This unit uses quiet, continuously variable components to create a perfect antenna match, without noisy relays. It can tune with a mere 2 watts of power, yet can handle 1,500 watts. The HF-AUTO covers 1.8 through 54 MHz, tunes within 6 seconds and has a large, backlit LCD for easy readout of RF power, SWR, frequency and more. All the details on this American-made auto-tuner can be found at DXEngineering.com

PAS-HF-AUTO 1,500 Watt Automatic Antenna Tuner............................**$1,445.95**

PAS-AT5K-HP 3,500 Watt Antenna Tuner

If you've already got a high quality meter and balun, but still want the high powered tuning ability of the AT5K, than this is the ideal solution. It has the same great specs of the AT5K, but without redundant features. This makes it easier on your wallet. You still get the legendary "Rock Crusher" performance.

PAS-AT5K-HP 3,500 Watt Antenna Tuner..**$1,045.95**

PAS-AT-500 600 Watt Antenna Tuner



This compact manual tuner covers the 160 through 6 meter bands. Controls are easy-to-use and intuitive. Just like its higher power-rated counterparts, the AT-500 gives you a six-position switch to select from multiple feedlines and an external dummy load. It handles 600 watts PEP and 500 watts CW, with an impedance matching range of 20 to 1,500 Ω. A 4:1 ferrite current balun handles the balance line feeder and a 12 Vdc power connector (with cable) is included.

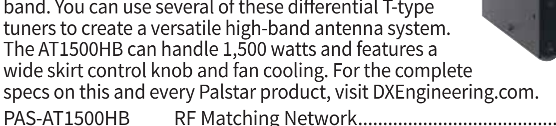
PAS-AT-500 600 Watt PEP Antenna Tuner **$498.95**

PAS-BT-1500A 1,500 Watt Double L Balanced Antenna Tuner

The BT1500A is the ONLY 1,500 watt double-L network antenna tuner on the market today. With two tandem mounted ceramic roller inductors, this tuner offers unparalleled precision. If you're looking for a balanced tuner, this is a great high-power solution. The BT1500A is a highly specialized tuner, so be sure that it suits your application. Find the complete specs at DXEngineering.com.

PAS-BT1500A 1,500 Watt Double L Balanced Antenna Tuner **$725.95**

PAS-AT1500HB RF Matching Network



If you do a lot of contesting, then you're changing frequencies often. This RF Matching Network makes things easier, allowing you to rapidly QSY from one band to another or between preset low SWR points in a single band. You can use several of these differential T-type tuners to create a versatile high-band antenna system. The AT1500HB can handle 1,500 watts and features a wide skirt control knob and fan cooling. For the complete specs on this and every Palstar product, visit DXEngineering.com.

PAS-AT1500HB RF Matching Network... **$429.95**

600 Watt IntelliTuner™ Automatic Antenna Tuner



This tuner lets you rapidly tune any antenna—unbalanced, single-wire or balanced (with an external balun)—automatically. The tuner includes a highly efficient switching L-network with wide matching capability, 1.8 to 30 MHz coverage, cross-needle power meters, a port for an accessory remote control, a radio interface port, and heavy-duty 16 amp/1,000-volt relays. It is rated at 600 watts PEP SSB and 300 watts CW.

MFJ-994B 600 Watt IntelliTuner™..**$339.95**



3 kW Edge Roller Antenna Tuner



This high power antenna tuner has a roller inductor "T" matching network that continuously tunes all frequencies from 1.8 through 30 MHz. It also features a built-in 3 kW peak or average detecting directional power meter. There are rear panel connectors for coaxial and wire feedlines. A heavy-duty, high-voltage insulated, current-type balun allows use with balanced feedlines.

AME-ATR-30 3 kW Edge Roller Antenna Tuner....................................... **$549.95**

AT5K 3,500 Watt Antenna Tuner

Nicknamed the "Rock Crusher," this American-made Palstar AT5K 3,500 Watt Antenna Tuner delivers an impressive 3,500 watts single tone continuous with low losses, and 5,000 watts PEP performance at certain impedance ranges. The AT5K tuner offers a wide impedance tuning range from 1.8 through 22 MHz with limited impedance tuning from 22 to 29.5 MHz.

The AT5K tuner provides balanced output with a high power 5,000 watt PTFE cable balun at the input of the tuner circuit. When the network is properly tuned, a 50 Ω impedance will be presented to the input and output of the balun for maximum efficiency. This tuners is designed to handle both balanced line feeds and unbalanced coax feedlines.

- Fan-cooled for extended 100% duty cycle operation
- Full-performance T-match circuit, impedance matching from 8 to 2,000 Ω
- Custom large value variable capacitors, 600pF at 6 kV
- 10 amp silver plated ceramic body roller inductor handle-driven crank
- 11-gauge aluminum chassis, powdercoated on front and top
- Power connector and cable included

PAS-AT5K 3,500 Watt Antenna Tuner **$1,279.95**

AT4K 2,500 Watt Antenna Tuner



The legendary AT4K 2,500 Watt Antenna Tuner built the Palstar reputation for high quality and durability. Updated for the 21st century, the AT4K now has a switchable, dual-movement active peak and peak hold wattmeter. The selection between unbalanced or balanced output is relay-switched with a front panel control on the AT4K.

The AT4K T-matching network uses a 1:1 unbalanced-to-balanced transformer in the input of the network. When the network is properly tuned, an impedance of 50 Ω is presented to the input and output of the balun.

- T-match circuit with impedance matching range from 8 to 2,000 Ω
- Custom large value variable capacitors, 460pF at 6 kV
- 10 Amp silver plated ceramic body roller inductor handle-driven crank
- 11-Gauge aluminum chassis, powdercoated on front and top

PAS-AT4K 2,500 Watt Antenna Tuner **$899.95**

AT2KD Differential Antenna Tuner



Palstar's AT2KD Differential Antenna Tuner is American-made, with impedance-matching networks that optimize the performance of your antenna with your transceiver or SWL receiver. It offers 160 through 6 meter band coverage and handle up to 2,000 watts PEP power. Simply put, the AT2KD is the highest quality differential-T antenna tuner on the market!

This tuner has two impedance-matching controls with a 6:1 Vernier reduction drive for capacitor tuning with precision and accuracy. A turns counter-indexed inductor crank handle makes coarse tuning adjustments easy. Using a T-type circuit configuration makes adjustments simple because it reduces the number of knobs and eliminates false peaks. A 12 Vdc power connector and cable are provided for the meter circuit for each tuner.

- Input tuning: 5 kV dual-stator differential capacitor (430pF/13pF/430pF)
- Inductance: 25 uH roller inductor; 12-gauge wire wound on steatite ceramic core, silver plated bar/wheel
- Frequency coverage: 1.8-54 MHz
- Power: 2,000 W PEP SSB, 1,500 W single tone
- Impedance range 20 to 1,500 Ω, 1.8-30 MHz lower power for lower Z range

PAS-AT2KD Differential Antenna Tuner **$539.95**

AT2K 2,000 Watt Antenna Tuner



Building upon Palstar's impressive AT1500CV tuner, this AT2K 2,000 Watt Antenna Tuner features a new, smaller roller inductor, allowing the AT2K to tune from 160 meters to 6 meters. It can match dipoles, center fed doublets, Verticals, end-fed wire, delta loops, beams, Windoms, inverted vees, and many more antenna types.

The AT2K features a 6-position antenna selector switch and Peak/Peak Hold metering in two ranges, 300 and 3,000 watts. Standing Wave Ratio measurements are displayed with this illuminated cross-needle meter. Its chassis is made of 11-gauge aluminum with a powdercoated finish on the front and top cover.

- Impedance range 20 to 1,500 Ω from 160 to 6 meters (assuming resistive load)
- Low minimum custom variable capacitors, 15pF to 400pF at 4.5 kV
- 26 uH 5 kV ceramic body roller inductor with turns counter
- Silver plated inductor wheel shaft and contact wheel

PAS-AT2K 2,000 Watt Antenna Tuner **$539.95**



Remote IntelliTuner™ Automatic Antenna Tuner

Rapidly tune and unbalanced antenna, single wire or aluminum vertical, with an MFJ-927. This tuner has 4 memory banks, each holding 2,500 non-volatile memories. It uses a high efficiency switching L-network with wide matching abilities and is rated at 200 watts SSB/CW.

When you transmit, the tuner automatically adjusts for lowest SWR—it actually learns and remembers your frequency and tuner settings. You'll typically be ready to transmit in less than 5 seconds. This tuner covers 1.8 to 30 MHz, can match antennas from 6 to 1,600 Ω and includes an external bias tee provides power through the coaxial cable for remote control capability. It's also weather protected and suitable for mounting outdoors. See all the features at DXEngineering.com.

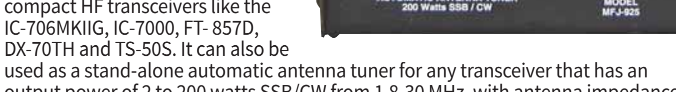
MFJ-927 .... **$239.95**

200 Watt HF Automatic Remote Antenna Tuner New!

The tuner is housed in a watertight enclosure, so you can put it in practically any environment. It will tune any frequency from 1.8 to 30 MHz. And it's fast, with an initial tune of about two seconds and then tuning from memory in a mere fraction of a second. There are 200 memory channels and the tuner handles 200 watts PEP max with an input minimum of 10 watts. It requires 13.8 Vdc at 1.5A and includes an MFJ-4117 Bias-Tee power switch to power the tuner through the coaxial cable.

MFJ-926B **$279.95**

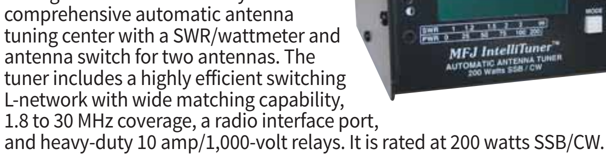
200 Watt MightyMite IntelliTuner™



At just 6.5" x 2.15" x 8.25", the MightyMite complements today's compact HF transceivers like the IC-706MKIIG, IC-7000, FT- 857D, DX-70TH and TS-50S. It can also be used as a stand-alone automatic antenna tuner for any transceiver that has an output power of 2 to 200 watts SSB/CW from 1.8-30 MHz, with antenna impedances from 6 to 1,600 Ω.

MFJ-925 .... **$169.95**

200 Watt IntelliTuner™



The IntelliTuner™ lets you rapidly tune any antenna—unbalanced or single-wire—automatically. It is a comprehensive automatic antenna tuning center with a SWR/wattmeter and antenna switch for two antennas. The tuner includes a highly efficient switching L-network with wide matching capability, 1.8 to 30 MHz coverage, a radio interface port, and heavy-duty 10 amp/1,000-volt relays. It is rated at 200 watts SSB/CW.

MFJ-929 .... **$199.95**

Interface Cables for MFJ Tuners

MFJ-5114I	Icom Rig Interface Cable for MFJ-998/929/928/927/925	**$19.95**
MFJ-5114K	Kenwood Rig Interface Cable for MFJ-998/929/928/927/925	**$19.95**
MFJ-5114Y	Yaesu Rig Interface Cable for MFJ-998/929/928/927/925	**$19.95**
MFJ-5114Y3	Yaesu FT1000MP Rig Interface Cable for MFJ-929/998	**$19.95**
MFJ-5114Y4	Yaesu FT2000 Rig Interface Cable for 929/998	**$19.95**
MFJ-5124I	AutoTuner Radio Interface Cable for Icom	**$19.95**
MFJ-5124K	AutoTuner Radio Interface Cable for Kenwood and compatibles	**$59.95**
MFJ-5124Y	AutoTuner Radio Interface Cable for Yaesu and compatibles	**$59.95**

300, 600 and 1,500 Watt Remote Autotuners

These automatic tuners are mounted in durable, weather resistant hard-plastic cases for remote outdoor applications. They cover 1.8 to 30 MHz, use heavy-duty 16 amp/1,000-volt relays, and feature a highly efficient L-network. They also include the MFJ-4117 BiasTee Power Injector to send DC down your coax.





MFJ-993BRT handles 300 watts SSB/CW power level and matches 6-1,600 Ω antennas

MFJ-994BRT handles 600 watts SSB/CW power level and matches 12-800 Ω antennas

MFJ-998RT handles 1,500 watts SSB/CW power level and matches 12-1,600 Ω antennas

MFJ remote tuners let you quickly tune any antenna, balanced or unbalanced, automatically. It's a comprehensive automatic antenna tuner ideal for Multiband Verticals like the popular 43 foot models.



MFJ 300 Watt Remote Autotuner

The MFJ-993BRT IntelliTuner™ is a 300 watt remote automatic antenna tuning unit mounted in a durable hard-plastic case. Measuring just 9.25" W x 3" H x 14.25" D, it covers 1.8 to 30 MHz, has heavy-duty 16 amp/1,000-volt relays and is a highly efficient L-network. It also includes the MFJ-4117 BiasTee Power Injector to send DC/RF down your coax.

It's intended to be mounted outside at the feedpoint of your antenna, providing a 50 Ω match to your coaxial cable feedline and eliminating additional feedline loss caused by SWR.

The MFJ-993BRT lets you quickly tune any 6-1,600 Ω antenna, balanced or unbalanced, automatically.

MFJ-993BRT **$299.95**

MFJ 600 Watt Remote Autotuner

The MFJ-994BRT IntelliTuner™ is a 600 watt remote automatic antenna tuning unit similar is size to the MFJ-993BRT. At 600 watts, it's a perfect match for Ameritron's solid state ALS-600/S solid state amplifier and popular tube-type AL-811/H amplifiers!

You can eliminate extra feedline loss caused by SWR by tuning your antenna outdoors at its feedpoint. This tuner includes the MFJ-4117 BiasTee Power Injector to send DC/RF down your coax.

The MFJ-994BRT lets you quickly tune any 12-1,600 Ω antenna, balanced or unbalanced, automatically.

MFJ-994BRT **$379.95**

MFJ 1,500 Watt Legal Limit Remote Autotuner

The MFJ-998RT IntelliTuner™ is a comprehensive Full Legal Limit remote automatic antenna tuning unit. It lets you rapidly tune almost any unbalanced or single-wire antenna automatically. Balanced feedlines may be used with an MFJ-912 1.5 kW 4:1 balun connected to the MFJ-998RT antenna output.

MFJ's exclusive InstantRecall™, IntelliTune™ and AdaptiveSearch™ algorithms give you fast automatic tuning with more than 20,000 non-volatile VirtualAntenna™ memories. Each of the two antenna banks has four banks of memory; each memory bank has over 2,500 non-volatile memories for tuner settings. The banks allow you to save settings for several antennas, giving you the flexibility to move your tuner between antennas or to different locations without losing the old settings.

The tuner includes a highly efficient switched-L network with wide matching capability, 1.8 to 30 MHz coverage, backlit LCD display, and heavy-duty 16 amp/1,000-volt relays. It is rated at 1,500 watts SSB/CW and will match impedances from 12 to 1,600 Ω (SWR up to 32:1).

It includes the MFJ-4117 BiasTee Power Injector to send DC/RF down your coax.

MFJ-998RT **$739.95**





Mobile Tuner

Imagine never having to fiddle with stop-and-go mobile whip adjustments ever again. Made specifically for mobile use, this tuner extends your mobile antenna's bandwidth while covering 1.8 to 60 MHz, including the 6 meter band. It features an integrated cross-needle meter that displays SWR and forward/reflected power. The tuner's compact size and front-mount controls let it fit nicely into your mobile rig. Since it handles 300 watts, it's also handy in your base station.

MFJ-945E.. **$129.95**



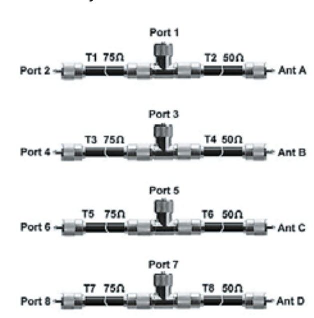
Dual Band VHF Antenna Tuner

This tuner covers the 2M and 1.25M bands and is designed to match a broad impedance range. It is great for mobile and base stations, allowing you to tune a low SWR with practically any antenna. The built-in SWR/wattmeter can display either the 30 or 300 watt PEP power range.

MFJ-921 .... **$89.95**

Tech Support: DXEngineering.com/TechArticles

Looking for guidance on your next project? Need advice to optimize your amateur radio operation? Ask our ham radio experts a tech question, search our huge FAQ archive, or browse our library of technical articles.





Controlling a Stacked Yagi Array using the DXE-RR8B-SD or -HP Remote Antenna Switch
techarticles/antennaconstruction/controlling-a-stacked-yagi-array

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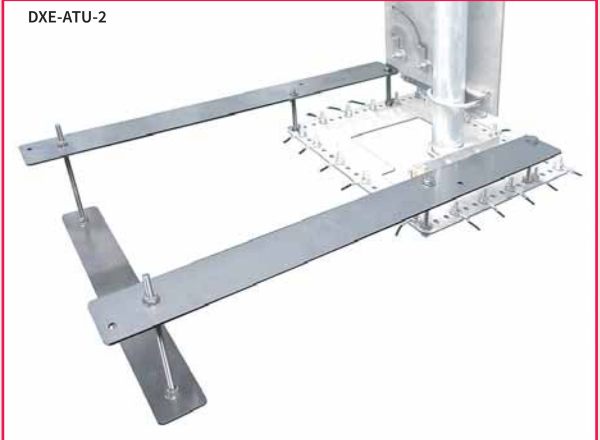
These DX Engineering Remote Tuner Add-On Packages will let you hear and work the weak ones—just install them on your vertical antenna and radial system and start operating!



DXE-MBV-ATU-2

DXE-ATU-1

DX ENGINEERING



DXE-ATU-2

ATU-1 and ATU-2 Remote Tuner Mounting Systems

These Remote Tuner Mounting Systems provide an easy way to mount your MFJ remote tuner to your vertical antenna. The DXE-ATU-1 is specifically tailored for mounting the MFJ-927, while the DXE-ATU-2 is designed for the high power MFJ-998RT

Both systems mount to your DX Engineering RADP-3 Radial Plate for a secure connection and feature laser-cut brackets, stainless steel hardware and an insulated stranded copper feedline cable with ring terminals.

The DXE-MBV-ATU-1 and 2 Add-On Packages are available with or without the corresponding tuner. Everything is included, so you can get on the air quickly. Visit DXEngineering.com for more details.

DXE-ATU-1	Remote Tuner Mounting System for MFJ-927	**$74.95**
DXE-MBV-ATU-1	Remote Tuner Mounting System with MFJ-927	**$426.05**
DXE-ATU-2	Remote Tuner Mounting System for MFJ-998RT	**$64.50**
DXE-MBV-ATU-2	Remote Tuner Mounting System with MFJ-998RT	**$814.45**



DX Engineering Utility Enclosure Package



The Utility Enclosure Package is a high-impact thermoplastic enclosure ideal for outdoor mounting of all types of lightning protectors or other equipment. Its weather-tight design protects the components from rain and direct water spray. It resists degradation from environmental contaminants, chemical fertilizers and insecticide sprays that can ruin metallic housings.

The thermoplastic housing and wire entrance grommet material fire retardant and UV stabilized. The enclosure can be painted with latex or oil base paints if needed to blend it in with its location.

Mounting hardware, aluminum component mounting plate, and four weather tight large feed-through grommets for RG-213 and LMR-400 sized cable are included. Optional feed-through grommets for smaller cables are available.

DXE-UE-2P	Utility Enclosure Package, 13" W x 14" H x 4" D	$49.95
DXE-CFT-1P	Large Cable Feed-Through Grommets, Pack of 6	$14.95
DXE-CFT-2P	Small Cable Feed-Through Grommets, Pack of 6	$14.95

Flange Mounting Brackets

New!

These brackets convert many popular stud-mount lightning protectors, like Alpha Delta's Coaxial Surge Protector, to a flange mount. The conversion makes them easier to mount inside DX Engineering's UE-2P Utility Enclosure. Hardware is included.

DXE-ATT3G-BRKT	Flange Mounting Bracket, Straight	$4.95
DXE-RCT-BRKT	Flange Mounting Bracket, Right Angle	$4.95

Broadband Coaxial Lightning Protectors



These 50 Ω, DC-blocked protectors are great for general, single transmitter use in the 1.5 to 700 MHz frequency ranges. Available with either a bulkhead or flange mount, Polyphaser's Lightning Protectors use a gas tube design that has no DC continuity between the center pins. Polyphaser's Multi-Strike products pass all RF frequencies while blocking all DC—offering excellent protection from voltage spikes.

PPR-IS-50UX-C0	UHF Female, Flange, 2,000 W, 1.5-700 MHz	$61.95
PPR-IS-50NX-C0	N Female, Flange, 2,000 W, 1.5-700 MHz	$61.95
PPR-IS-B50LN-C0	N Female, Bulkhead, 2,000 W, 1.5-700 MHz	$65.95
PPR-IS-B50LU-C0	UHF Female, Bulkhead, 2,000 W, 1.5-700 MHz	$64.95
PPR-IS-B50HU-C0	UHF Female, Bulkhead, 3,000 W, 1.5-700 MHz	$74.95

Rotor Control Line Protector



This versatile unit protects rotor controllers using up to 8 lines by preventing lightning strike energy from entering the circuit. You can mount it to a tower leg or grounding rod using J1 or J2 clamps. This lightning protector has multi-strike capability and reacts faster than gas tubes.

- +/- 70 Vdc operating voltage
- 2A maximum operating current
- 4 nanosecond turn-on time
- +/- 82V turn-on voltage
- 6.5kA maximum surge current
- -40° to 185° F temperature range

PPR-IS-RCT	Rotor Control Protector	$133.00
DXE-RCT-BRKT	Flange Mounting Bracket, Right Angle	$4.95

Surge Protection Products

A power surge can enter your home through any electrical conductor. Whether it's a power grid anomaly or a lightning strike, you can protect your home. Even independent electrical circuits (a telephone line for instance) share ground paths—which opens the door for power spikes to enter every electrical device you've plugged in to your home's AC outlets. To help protect yourself from hazardous voltage spikes, DX Engineering offers several surge protection options.



PolyPhaser CORPORATION

New!

IX DC Surge Protector

Originally designed for 2-wire (twisted-pair/POTS) telephone landline trunks, this surge protector is well suited for DC control circuits and high-speed digital data (up to 25 Mbps) DC lines. It handles us to 48 Vdc lines with a 400 mA maximum holding current, and has a turn-on voltage of +/- 210 volts.

PPR-IX-1T	DC Surge Protector	$74.95



Antenna Insulator Kit with Surge Protection

ALF-SEP

This kit contains one center insulator, antenna connection hardware, one ARC-PLUG static electricity protector, and two end insulators. The antenna hardware is molded of Deltalloy™, an extremely tough and durable plastic specifically blended to withstand sunlight and extreme weather conditions. An SO-239 connector is provided for direct connection to your coaxial cable. A ladder line balanced feedline may be connected directly to the dipole wire ends.

ALF-DELTA-C	Antenna Insulator Kit	$29.95
ALF-DELTA-CIN	Replacement End Insulator	$1.95
ALF-SEP	Replacement ARC-PLUG Protector	$15.95

Lightning Surge Protector

DX ENGINEERING

This unique in-line design is impedance matched to 75 Ω and virtually transparent to both analog and bi-directional signals from DC to 1.0 GHz. The patented and proprietary gas tube construction has an integral failshort mechanism for a power-cross condition that shunts both your cable's center conductor and sheath for a common path to ground. The protection element resets after each over-voltage incident.

DXE-RLP-75FF	Lightning Surge Protector, 75 Ω, DC Pass, F Connectors	$13.95

LT Coaxial Surge Protector

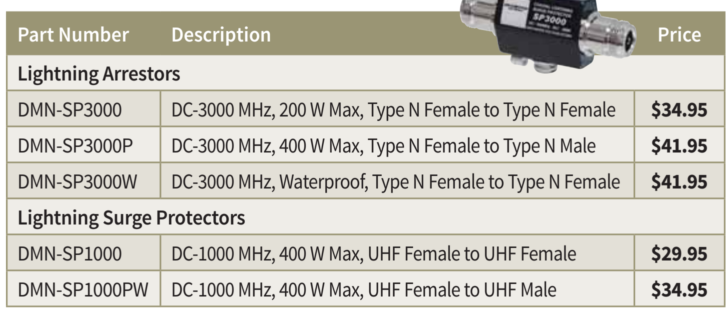


New!

Don't live in fear of lighting strikes. This unit is designed to protect your delicate and expensive equipment from lighting-induced voltage spikes. It covers frequencies from DC to 30 MHz and handles 200 watts. In-line installation is easy with two SO-239 connectors.

ALF-LT	LT Coaxial Surge Protector	$29.95





Part Number	Description	Price
Lightning Arrestors		
DMN-SP3000	DC-3000 MHz, 200 W Max, Type N Female to Type N Female	$34.95
DMN-SP3000P	DC-3000 MHz, 400 W Max, Type N Female to Type N Male	$41.95
DMN-SP3000W	DC-3000 MHz, Waterproof, Type N Female to Type N Female	$41.95
Lightning Surge Protectors		
DMN-SP1000	DC-1000 MHz, 400 W Max, UHF Female to UHF Female	$29.95
DMN-SP1000PW	DC-1000 MHz, 400 W Max, UHF Female to UHF Male	$34.95







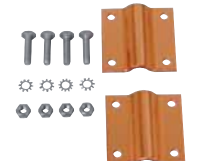


Copper Grounding Plate Kit

The DXE-CU-SPGP provides a convenient means to mount multiple lightning protectors and tie them to a common ground. The plate is an 18 x 12 inch painted board with a 15 x 10 x 0.063 inch piece of copper mounted to it. The board should be mounted to wall studs set on 16 inch centers.

DXE-CU-SPGP Copper Grounding Plate Kit **$299.95**

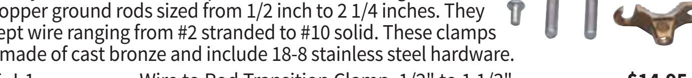
Copper Strap to Copper Ground Rod Clamp



This clamp bonds a 5/8 inch ground rod to copper strap. 18-8 stainless steel hardware included.

DXE-58R-112S Strap to Copper Ground Rod Clamp........ **$37.95**

Ground Wire to Copper Ground Rods

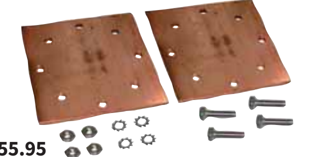


The PolyPhaser J series clamps are used to connect ground wire to copper ground rods sized from 1/2 inch to 2 1/4 inches. They accept wire ranging from #2 stranded to #10 solid. These clamps are made of cast bronze and include 18-8 stainless steel hardware.

DXE-J-1 Wire to Rod Transition Clamp, 1/2" to 1 1/3"........ **$14.95**

DXE-J-2 Wire to Rod Transition Clamp, 1 1/2" to 2 1/4"........ **$18.95**

Copper Strap to Copper Strap Clamp



The DXE-MSC-3 bonding clamp is ideal for bonding two copper straps together, for extending an existing run or to add drops to equipment. It accepts ground straps from 1.5 to 3 inches and includes 18-8 stainless steel hardware.

DXE-MSC-3 Multi-Strap Clamp........ **$55.95**

Copper Cleaning Kit



Proper preparation of the copper surfaces and application of copper joint compound prior to bonding is essential to maintain the low resistance properties of the strap connection. The copper cleaning kit has everything needed to establish the bond. The kit includes a non-abrasive scrub pad, copper joint compound, and complete instructions.

DXE-CCK Copper Cleaning Kit........ **$19.95**

Never-Seez® and Anti-Seize

- Prevents galling and galvanic corrosion
- Protects metal parts against rust, corrosion and seizure

DXE-NSBT8 Never-Seez, 8 oz. brush top........ **$13.99**

DXE-NMCBT8 Never-Seez, marine grade, 8 oz. brush top........ **$16.95**

UMI-81343 Anti-Seize, 1 oz. squeeze tube........ **$3.29**

Hazardous, limited to domestic UPS Ground shipping only.

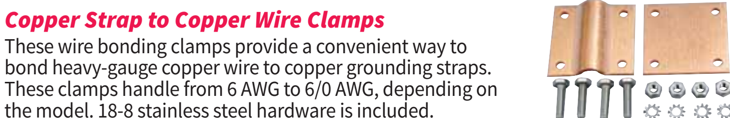
Copper Strap to Copper Wire Clamps

These wire bonding clamps provide a convenient way to bond heavy-gauge copper wire to copper grounding straps. These clamps handle from 6 AWG to 6/0 AWG, depending on the model. 18-8 stainless steel hardware is included.

DXE-1C-112S Copper Wire to Strap Bonding Clamp, 6 to 1 AWG........ **$36.95**

DXE-10C-112S Copper Wire to Strap Bonding Clamp, 1/0 to 6/0 AWG........ **$35.95**

Copper Strap



Use copper strap to achieve a low inductance ground system. Copper strap has a larger surface area and lower inductance per foot than equivalent cross-section wire. Use ground strap to tie equipment back to a common ground point. Copper strap should also be used to make a non-resonant counterpoise for towers mounted on mountaintops or other rocky terrain. All copper strap is 2 inches wide and 0.011 inches thick.

GCL-1120-025 Copper Strap, 2" by 25'........ **$52.95**

GCL-1120-050 Copper Strap, 2" by 50'........ **$85.95**

GCL-1120-100 Copper Strap, 2" by 100'........ **$154.95**

ALPHA DELTA COMMUNICATIONS, INC.



Copper Ground Rod Clamp Kit

An uncompromising grounding kit that helps keep your station safe. Though it is designed to work specifically with your Alpha Delta ATT or TT series surge protectors, this system is also compatible with virtually any stud-type flange-mount coaxial surge protector. You can even connect up to four surge protectors for extra protection against lightning strikes.

Made of solid copper, this clamp kit includes stainless steel hardware for added reliability and years of use at your shack.

ALF-UCGC Copper Ground Rod Clamp Kit........ **$49.95**

Transi-Trap Broadband Coaxial Surge Protectors

ALPHA DELTA COMMUNICATIONS, INC. www.alphadeltacom.com

These gas surge arrestors protect sensitive equipment from the excessive voltage and current caused by static buildup or a lightning strike. The 50 Ω DC voltage pass-through design is perfect if you're using coaxial cable to carry both RF and DC voltage, like in an antenna switch. These protectors use a replaceable Arc-Plug™ cartridge that you can change in the field without tools. They feature a 1/4"-20 mounting stud for easy install.

The Defense Logistics Agency has assigned National Stock Number (NSN) 5920 01 5470278 to the model TT3G50 Coax Surge Protector and NSN 5325 01 5466841 to the 3G50 Arc-Plug cartridge for use in all U.S. Military and NATO applications worldwide.

Part Number	Mount	Connector	Frequency	Power Handling	Price
ALF-ATT3G50	Stud	N-Connector	3 GHz	200 Watts	**$59.95**
ALF-ATT3G50HP	Stud	N-Connector	3 GHz	2,000 Watts	**$59.95**
ALF-ATT3G50F	Stud	F-Connector	3 GHz	200 Watts	**$59.95**
ALF-ATT3G50FHP	Stud	F-Connector	3 GHz	2,000 Watts	**$59.95**
ALF-ATT3G50U	Stud	SO-239	500 MHz	200 Watts	**$49.95**
ALF-ATT3G50UHP	Stud	SO-239	500 MHz	2,000 Watts	**$49.95**
ALF-AT3G50UBXL	Bulkhead	SO-239	500 MHz	200 Watts	**$54.95**
ALF-ATT3G50UBHP	Bulkhead	SO-239	500 MHz	2,000 Watts	**$59.95**
ALF-AT3G50UM90	90°	SO-239 & PL-259	500 MHz	200 Watts	**$57.95**
ALF-AT3G50UM90HP	90°	SO-239 & PL-259	500 MHz	2,000 Watts	**$57.95**
ALF-3G50	Replacement Arc-Plug			200 Watts	**$14.95**
ALF-3G50HP	Replacement Arc-Plug			2,000 Watts	**$14.95**



Coax Shield Ground Kits

These kits provide a low inductance path for proper ground contact between a round member made from copper, brass, aluminum, tin, or steel to corresponding copper, brass, aluminum, tin, or steel grounding material. Examples: grounding the coax shield as the coax leaves the tower or connecting a round tower leg to the ground system. Three kits are available for various combinations of shield material to grounding material, and they fit coax shield or tower leg diameters from 1/4 inch to 2 1/8 inches. These kits include a perforated strap, an adjustable angle, 24 inch long tail strap, weatherproofing kit and all stainless steel brackets and hardware.

PPR-UNI-KIT-2CC Copper to Copper Ground Kit........ **$99.95**

PPR-UNI-KIT-2CT Copper to Aluminum Ground Kit........ **$99.95**

Weatherproofing Kit

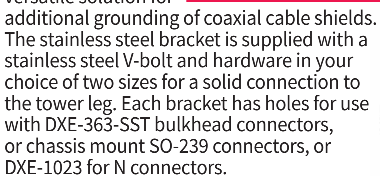


Use PolyPhaser's Weatherproofing Kit PPR-WK-1 when mounting lightning protectors or making ground connections outdoors. The kit prevents moisture ingress and easily handles extreme temperatures, the sun's UV rays and salt spray.

PPR-WK-1 Weatherproofing Kit........ **$9.95**

DX ENGINEERING

Coaxial Cable Grounding Brackets



The CGB-Series Coax Grounding Brackets are a versatile solution for additional grounding of coaxial cable shields. The stainless steel bracket is supplied with a stainless steel V-bolt and hardware in your choice of two sizes for a solid connection to the tower leg. Each bracket has holes for use with DXE-363-SST bulkhead connectors, or chassis mount SO-239 connectors, or DXE-1023 for N connectors.

The Grounding Bracket is an ideal junction point for the coax pigtails that form the rotor loop to connect to the downleads. The bracket can also be used at the base of the tower to provide a solid grounding point before the coax cable is routed away from the grounded tower. The bracket has serrated teeth to bite through paint and corrosion. Additional fasteners are supplied if you wish to extend a ground braid or copper strap for secure grounding.

DXE-CGB-200	Coaxial Cable Grounding Bracket, fits 1" to 2" O.D. tube	$15.95
DXE-CGB-150	Coaxial Cable Grounding Bracket, fits 1/2" to 1.50" O.D. tube	$15.95

ECLS-Series Band Clamps with Stud

The ECLS-Series clamps feature a 3/4 inch long, 10-24 welded stud for easy connection of feed wire, baluns, current chokes, etc. to tubular elements. Stainless steel hardware included.

Band Clamps with Stud		Pack of 2
DXE-ECLS-050	0.500" O.D. tube	$9.99
DXE-ECLS-175	1.750" O.D. tube	$11.49
DXE-ECLS-062	0.625" O.D. tube	$9.99
DXE-ECLS-200	2.000" O.D. tube	$11.49
DXE-ECLS-075	0.750" O.D. tube	$9.99
DXE-ECLS-225	2.250" O.D. tube	$11.49
DXE-ECLS-087	0.875" O.D. tube	$10.99
DXE-ECLS-250	2.500" O.D. tube	$11.99
DXE-ECLS-100	1.000" O.D. tube	$10.99
DXE-ECLS-275	2.750" O.D. tube	$11.99
DXE-ECLS-300	3.000" O.D. tube	$11.99
DXE-ECLS-125	1.250" O.D. tube	$11.49
DXE-ECLS-325	3.250" O.D. tube	$11.99
DXE-ECLS-150	1.500" O.D. tube	$11.49

Copper Strap to Tower

PolyPhaser CORPORATION

The PolyPhaser TK clamp series has a stainless steel plate to go between the copper strap and galvanized tower leg to prevent corrosion due to dissimilar metals. For use with tower leg diameters from 5/8 inches to 3.25 inches.

PPR-TK-1	Strap to Tower Leg Ground Clamp, 5/8" to 1.25"	$13.95
PPR-TK-2	Strap to Tower Leg Ground Clamp, 1.25" to 2.25"	$13.95
PPR-TK-3	Strap to Tower Leg Ground Clamp, 2.25" to 3.75"	$13.95
PPR-TK-4	Strap to Tower Leg Ground Clamp, 3.5" to 5"	$11.40

DX ENGINEERING

Exhaust System Grounding Kit

Many modern vehicles have separate fuel injectors and spark coils for each cylinder. These units can create substantial pulses on the vehicle wiring. Because the exhaust system is bolted directly to the engine and supported by insulated mounts, it can be excited just like an antenna and radiate pulse noise. By using one of our Exhaust Grounding Kits, you may eliminate that last bit of stubborn noise in your mobile installation. The kit includes a stainless steel saddle clamp and stainless steel hardware.

DXE-EGK-200	Grounding Kit for 2" Exhaust Pipe	$20.95
DXE-EGK-225	Grounding Kit for 2.25" Exhaust Pipe	$22.95
DXE-EGK-250	Grounding Kit for 2.5" Exhaust Pipe	$26.95
DXE-EGK-300	Grounding Kit for 3" Exhaust Pipe	$28.95

Ground Strap

DX Engineering offers quality tinned copper braid in 5 widths for grounding applications. It is sold per foot to accommodate almost any project. Very long per-foot lengths may not be continuous—contact Customer Service to discuss your length needs if continuous length is required. The strap is available in these sizes:

DXE-TCB-038	3/8" wide x 1/32" thick	per foot $0.45
DXE-TCB-050	1/2" wide x .030" thick	per foot $0.60
DXE-TCB-063	5/8" wide x .030" thick	per foot $0.80
DXE-TCB-075	3/4" wide x .040" thick	per foot $1.10
DXE-TCB-100	1" wide x .045" thick	per foot $1.25

Ground Braid Assemblies

DX Engineering Ground Strap is available preassembled with lugs for both #10 and 1/4 inch bolt sizes. A grounding strap is ideal for grounding a rig, amp, etc. to a copper strip running behind the desk; the strip becomes the central ground point for the equipment. This central ground can be routed away with heavy copper strap to join any other similarly protected branches for single point grounding (SPG) lightning protection.

DXE-TCB10-RT24I

DXE-TCB10-RT18I

Other possible uses include noise reduction by grounding a vehicle exhaust, establishing a connection between a radial plate, balun, and a vertical antenna to keep current off of the feedline, and any grounding application where a reliable connection is needed.

Assemblies with 1/2 Inch Wide Braided Strap

DXE-TCB05-RT01	#10 Ring Lugs, 1'	$4.75
DXE-TCB05-RT03	#10 Ring Lugs, 3'	$5.75
DXE-TCB05-RT05	#10 Ring Lugs, 5'	$6.75
DXE-TCB05-RT10	#10 Ring Lugs, 10'	$9.75
DXE-TCB05-RT18I	1/4" Ring Lugs, 18"	$5.75
DXE-TCB05-RT24I	1/4" Ring Lugs, 2'	$6.75
DXE-TCB05-RT36I	1/4" Ring Lugs, 3'	$7.75

3/4 Inch Wide Braided Strap

DXE-TCB075-RT18I	1/4" Ring Lugs, 18"	$5.75
DXE-TCB075-RT24I	1/4" Ring Lugs, 2'	$6.45
DXE-TCB075-RT03	1/4" Ring Lugs, 3'	$7.75

Assemblies with 1 Inch Wide Braided Strap

DXE-TCB10-RT01	1/4" Ring Lugs, 1'	$5.75
DXE-TCB10-RT18I	1/4" Ring Lugs, 18";	$6.75
DXE-TCB10-RT24I	1/4" Ring Lugs, 2'	$7.75
DXE-TCB10-RT03	1/4" Ring Lugs, 3'	$8.75
DXE-TCB10-RT05	1/4" Ring Lugs, 5'	$12.75
DXE-TCB10-RT10	1/4" Ring Lugs, 10';	$18.75

DXE-TCB05-RT03

DXE-TCB10-RT03

DX ENGINEERING

Powerpole® Accessories

Anderson Powerpole connectors are quickly becoming the industry standard for DC power. They have been adopted by RACES and ARES® for emergency service and installations. DX Engineering carries the connectors, plus a tool that makes crimping them easy and hassle-free.

DXE-PP30	Powerpole Connectors, 12-16 AWG, 30A, 10 Pairs*	$12.95
DXE-PP45	Powerpole Connectors, 10-14 AWG, 45A, 10 Pairs*	$17.95
DXE-UT-CRIMP-PWR	Ratcheting Crimp Tool	$38.95

New!

Powerpole® Retention Clips



Avoid accidentally pulling out your Powerpole connectors by using these clips to lock them securely to your outlet panel.

WMT-58257-1092	Powerpole Retention Clips, Set of 12	$7.95

Anderson PowerPole® Connectors & Crimping Tool



Make power cables you can count on with PowerPole connectors. Solder or crimp them with the MFJ-7602 crimping tool. Use the 30 amp connectors with #12-16 AWG wire, the 45 amp connectors with #10-14 AWG wire. Wires smaller than #12 AWG require soldering.

MFJ-11C06	30 Amp Connectors, 6 Pairs*	$6.95
DXE-PP30	30 Amp Connectors, 10 Pairs*	$12.95
DXE-PP45	45 Amp Connectors, 10 Pairs*	$17.95
MFJ-7602	Crimping Tool	$14.95

***One pair equals (1) red and (1) black.**

Power Wire, 2 Conductor Zip Cord

Zip Cord is two-conductor cord which is typically used for low voltage DC power wiring circuits. The red and black colors make it simple to identify polarity for DC applications.

DXE-PW-8	Power Wire, 8-Gauge	per foot $1.49
DXE-PW-8-SPL	Power Wire, 8-Gauge, 500' Spool	$739.95
DXE-PW-10	Power Wire, 10-Gauge	per foot $1.19
DXE-PW-12	Power Wire, 12-Gauge	per foot $0.89
DXE-PW-14	Power Wire, 14-Gauge	per foot $0.59

MFJ-4035MV 30/35 Amp Regulated Linear DC Power Supply



A massive 19.2 pound transformer makes this heavy-duty power supply ideal for powering your entire station, including your 100 watt transceiver and all accessories. It delivers 35 amps maximum/30 amps continuous with load regulation better than 1%. Ripple voltage is less than 30 mV. No RF hash!

The unit has over-voltage, foldback short circuit, and over-temperature protection systems. Cooling fan speed increases as load current increases to keep components cool. It has a front panel voltage adjustment (1 to 14 Vdc) with a convenient detent set at 13.8 Vdc. The front panel meters let you monitor voltage and current. Three sets of output terminals include a pair of heavy-duty, five-way binding posts for HF/VHF rigs. Two pairs of quick-connects for accessories, covered cigarette lighter socket and front panel fuse holder included. Unit plugs into any 110 Vac wall outlet.
Dimensions: 9.5" W x 6" H x 9.75" D.

MFJ-4035MV Linear Power Supply, 35 Amp, 13.8 Vdc **$149.95**



New!

Multiple Outlet Panels

Answering your call for reliable and safe power distribution, these high-current outlet strips let you connect multiple pieces of gear without cluttering up your shack. They use heavy duty fused outputs to protect your equipment and are housed in an easy-to-mount aluminum chassis. Connection to your ground system is as simple as turning the wingnut on the chassis mounted lug. Fuses and 6 feet of stranded 8-gauge power cord are included.

The MFJ-1118 and MFJ-1128 also have low current on/off switching capabilities and an integrated voltmeter.

Part Number	Description	Max. Current	High Current Connections	Low Current Connections	Price
MFJ-1117	DC Power Outlet Strip	35A	2 Binding Posts	2 Binding Posts	**$64.95**
MFJ-1118	Switched Outlet Strip with Meter	35A	2 Binding Posts	6 Binding Posts	**$84.95**
MFJ-1124	DC Power Outlet Strip	40A	2 Powerpole®	2 Powerpole®	**$64.95**
MFJ-1128	Switched Outlet Strip with Meter	40A	3 Powerpole®	9 Powerpole®	**$104.95**



AC Line RFI Filter

Squash that annoying RF hash coming from your AC power line. These filters significantly reduce the noise, transients and surges coming from your shack and the environment. This unit also features nanosecond-fast over-voltage protection. It is made for 120 Vac and has four receptacles.

MFJ-1164B AC Line RFI Filter.. **$69.95**

Easy International Ordering. DXEngineering.com has a simple shipping calculator that can give you an exact price total before you check out. No matter what country you're in, we can get you the parts and gear you need to get on the air. Same-day shipping means you'll get it quickly, too.

No RF Hash! These power supplies are clean! Your buddies won't hear any RF hash on your signal…and you won't hear any from your receiver either. Some other competing power supplies may generate RF hash in your transmitted and received signal. MightyLite Switching Power Supplies meet all FCC Class B regulations.







New!

Heavy-Duty 75 Amp Switching Power Supply

With a whopping 70A continuous/75A peak, this unit can power your mobile HF, VHF/UHF rigs or high-current accessories without breaking a sweat. Voltage output is adjustable from 4 to 16 Vdc using the front panel knob. Dual meters let you monitor voltage and current, and there are indicator LEDs to show power and fault status.

This power supply has short circuit, overload and over-temperature protection. You can hook up your equipment with binding posts, Anderson Powerpoles®, quick connects and a handy cigarette-lighter socket. It uses a whisper-quiet cooling fan.

MFJ-4275MV Heavy-Duty 75 Amp Switching Power Supply **$259.95**





MFJ-4125 25 Amp Compact Switching Power Supplies

New!

These compact power supplies won't eat up all the room on your desk, yet still provide 22A continuous/25A peak at 13.8 Vdc—enough power for a portable installation or to run a full 100 watt radio temporarily. These supplies have over-voltage and over-current protection, while a whisper-quiet fan keeps things cool. They accept 110 or 220 Vac and hookup is via either binding posts or Powerpole® connectors.

MFJ-4125 Compact Switching Power Supply, Binding Posts.. **$84.95**

MFJ-4125P Compact Switching Power Supply, Powerpole® connectors **$94.95**

MFJ-4225MV MightyLite 25 Amp Switching Power Supply



This unit features a front panel voltage control that allows you to vary output voltage from 9 to 15 Vdc and gives you a highly regulated voltage output, including 12 Vdc and 13.8 Vdc. The front panel also has five-way binding posts for heavy-duty use and a cigarette lighter socket for mobile accessories.Large, brightly illuminated 3" dual meters make it easy to monitor load voltage and current. A whisper-quiet internal fan efficiently cools your power supply.

MFJ-4225MV MightyLite Switching Power Supply, 25 Amp, 13.8 Vdc **$99.95**

MFJ-4245MV MightyLite 45 Amp Switching Power Supply



It fits in the palm of your hand—and is powerful enough to run your HF or 2M/440 MHz radio and accessories! This 45 amp MightyLite weighs just 5.5 lbs., seven times lighter than an equivalent conventional power supply. That means no more picking up and hauling around heavy, bulky supplies.

MFJ-4245MV MightyLite Switching Power Supply, 45 Amp, 13.8 Vdc ... **$149.95**